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Complete if Known **Bubstitute for form 1449/PTO** Application Number 10/710.882 Filing Date INFORMATION DISCLOSURE 8/10/2004 First Named Inventor Hall, et al. STATEMENT BY APPLICANT Art Unit 2661 (Use as many sheets as necessary) Examiner Name **Attorney Docket Number** Bheet 5

Examiner	Cha	N	U. S. PATENT	DOCUMENTS	•
initials*	Citie No.	Number-Kind Code ^{1 (*)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Linea, When Relevant Pageages or Relevant Figures Appear
AL		^{U8-} 6,392,317 B1	5/21/2002	Hall, David R., et al	
		^{US-} 6,670,880 B1	12/30/2003	Hall, David R., et al	
		US- 6,717,501 B2	4/8/2004	Hall, David R., et al	
		US 6,888,473 B1	6/9/2006	Hall, David R., et al	
		^{US-} 6,799,632 B2	10/5/2004	Hell, David R., et ai	
		^{U8-} 6,844,498 B2	1/18/2005	Hall, David R., et al	
	H	US- 8,830,487 B2	12/14/2004	Hall, David RL, et al	
		US- 6,913,093 B2	7/\$/2005	Hall, David R., et al	
		^{US-} 6,821,147 B1	11/23/2004	Hall, David R., et al	
		^{UB-} 6,929,493 B2	8/16/2005	Hall, David R., et al	
		^{US-} 6,945,802 B2	9/20/2005	Hall, David R., et al	
		US- 20050238160 A1	10/27/2005	Hall, David R., et al	
		^{U8-} 20060212630 A1	9/29/2005	Hall, David R., et al	
\mathcal{A}		^{UB-} 20050173128 A1	8/11/2005	Hall, David R., et al	
/		US- 20050161215 A1	7/28/2005	Hall, David R., et al	
		^{US-} 20050150853 A1	7/14/2005	Hall, David R., et al	
/		US- 20050145405 A1	7/7/2005	Hall, David R., et al	
		US- 20050115717 A1	7/2/2005	Hall, David R., et el	
AIL]		^{US-} 20050001735 A1	1/8/2008	Hall, David R., et al.	

		FORE	GN PATENT DOCU	MENTS		
Examiner Initiats*	3.5	Foreign Patent Document	Publication Date	Name of Palentee or . Applicant of Cited Document	Pages, Columns, Lines,	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Complete if Known					
	Application Number	10/710,882				
INFORMATION DISCLOSURE	Filing Date	8/10/2004				
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Examiner	No.	Document Number	Publication Date	Name of Patentee or	Pages Coh-
etette.	MO.	Number-Kind Code ^{2 (F Incom)}	MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Who Relovant Passages or Relova Figures Appear
AL		^{US-} 20050095827 A1	5/5/2005	Hall, David R., et al	
		20050083288 A1	6/5/2006	Hall, David R., et al	
		US- 20050092499 A1	5/5/2005	Hall, David R., et al	
		US- 20050082092 A1	4/21/2005	Hall, David R., et al	
		^{U8-} 20050001738A1	1/8/2005	Hall, David R., et al	
		UB- 20050070144 A1	3/31/2005	Hell, David R., et al	
		US- 20050067159 A1	3/31/2005	Hall, David R., et ai	
		US- 20050046690 A1	3/3/2005	Hall, David R., et al	
		^{UB-} 20050048588 A1	3/3/2005	Hall, David R., et al	
1		US- 20050045339 A1	3/3/2005	Hall, David R., et al	
1/1		US- 20050039912 A1	2/24/2005	Hall, David R., et el	
		US- 20050036507 A1	2/17/2005	Hall, David R., et al	
		US- 20050035878 A1	2/17/2005	Hall, David R., et al	
		^{U8-} 20050035875 A1	2/17/2005	Hall, David R., et al	
1		US- 20050035874 A1	2/17/2005		
1		^{U8-} 20060001788 A1		Hall, David R., et al	
/ 		U8-20040246142 A1	1/8/2005	Hall, David R., et al	
		US- 20040244984A1	12/9/2004	Hall, David R., et al	
AL		US- 20040244918A1	12/9/2004	Hall, David R., et al	
		ZUV4UZ44510A1	12/9/2004	Hall, Dávid R., et al	

Examiner Initials*	City No.	Foreign Petent Document	Publication Oate	Name of Patentee or Applicant of Cited Document	Pages, Columne, Lines,	-
		Country Code* "Number " Kind Code* (If known)	MM-DD-YYYY	Popularia de Citad Document	Pages, Columne, Linse, Where Relevant Passages Or Relevant Figures Appear	7
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Application Number	10/710,882
Filling Date	8/10/2004
First Named Inventor	Hall, et al.
Art Unit	2561
Examiner Name	
Attorney Docket Number	65.0067

Examinor	Cite	Document Number	Delication France	DOCUMENTS	
initiate"	Cite No.	Number-Kind Code ^{2 (Faros)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, When Relevant Passages or Relevan Figures Appear
AL		U8- 20040216847 A1	11/4/2004	Hall, David R., et al	
		^{US-} 20040164838 A1	8/25/2004	Hall, David R., et al	
		US- 20040184833 A1	8/28/2004	Hall, David R., et al	
		US- 20040150532 A1	8/8/2004	Hall, David R., et al	
		^{UB-} 20040145492 A1	7/29/2004	Hail, David R., et al	
		U8- 20040113808 A1	6/17/2004	Hall, David R., et el	
		US- 20040104797 A1	6/3/2004	Hall, David R., et al	
		^{U8-} 4,739,825	4/19/1988	MacLeod	
		^{US-} 6,012,015	1/4/2000	Tubel .	
		U8- 6,262,518 B1	8/26/2001	Laborde	
		US- 2,414,719	1/21/1947	Cloud	
		US- 3,518,608	6/30/1970	Pepadopoulos	
		UB- 4,788,544	11/29/1988	Howard	
		^{UB-} 6,886,306 B2	8/16/2005	Boyle, et al	
		^{US-} 6,688,396 B2	2/10/2004	Floerke et al	
		^{US-} 6.988,611 B2	11/29/2005	Hall et al	
		US- 20050279508 A1	12/22/2005	Hall et al	
		US- 20050284659 A1	12/29/2005	Hall et al	
AL	•	US- 20050284662 A1	12/29/2005	Hali et ei	1

1		FORE	GN PATENT DOCU	MENTS	•	
Examiner Initigla*	Examiner City Initials* No.	Foreign Patent Document	Publication Date	Name of Palentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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Application Number 10/710,882

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use se many sheets as necessary)

Application Number 10/710,882

Filing Date 6/10/2004

First Named Inventor Hall, et al.

Art Unit 2681

Examiner Name

Attorney Docket Number 66,0087

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Examiner Initiale*	No.	Document Number Number-Kind Code France	MM-DD-YYYY	Name of Patentee of Applicant of Cited Document	Pages, Columns, Linea, Where Relevant Passages or Relevant Figures Appear
AL		US- 2004/0039488 A1	2/26/2004	Lilly et al.	rigaree Appear
1		US- 20050284663 A1	12/29/2005	Hall et al	
		UB- 20050285645 A1	12/29/2005	Hall et at	
		^{U8-} 20050285705 A1	12/29/2005	· Hall et al	•
		^{US-} 20050285708 A1	12/29/2005	Hall et al	
		^{US-} 20050285751 A1	12/29/2005	Hell et al	
		US- 20050285752 A1	12/29/2005	Hall et al	
		U8- 20050285754 A1	12/29/2005	Hall et al	
		^{US-} 8,854,834 B1	11/25/2003	Robertson, et al	
V .		^{US-} 6,580,720 B1	6/17/2003	Francis et al	
AL		us 6,073,053	6/8/2000	Dummermuth	
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